



Insect, a curious	113	M	Paint, white, new	225	Pump, Watson, the	230	Silk, two crops a year	246	Tree trunks, elongation of	276
Insect, pest, new	55	Machine, Buckeye, Swedish	208	Painting car	251	Silkworm breeding	79, 119	Trees, by electricity	252	
Insect powder	205	Machinery, agric. Am. exp. of	116	Palace car, drygoods	8	Slag, iron, utilization of	345	Trees, selling by electricity	270	
Insects, special scenes in	325	Machinery as an educator	116	Paper cutter, self-clamp	336	Smoke and defense of	344	Trees, gum, Australian	344	
Insecurity, cost of	328	Machinery, labor-saving	97	Paper folding, fast	336	Smoke and snarks	64	Trees, transplanting	228	
Intermittent fever, salt in	212	Magnesium salts, native	8	Paper, bank note, new	181	Smoking tobacco, flavoring	187	Trichina, remedy for	291	
Invention, amends to, discourage	97	Magneto-elec. mach. DeMeritent's	34	Paper fiber	212	Trolley, steam	291	Trigonometer, Lyman's	274, 324	
Invention, prize for an	181	Magneto-elec. wire	12	Paper, official	115	Truncheon and trimmer, new	158	Tubing, to satin finish	51	
Invention, reward of	181	Magnets, to harden	109	Paper, pokeweed	134	Tunnel, Sutro	68	Tunnel, under British channel	401	
Inventions and inventors	261	Magnets, to harden	109	Paper, quick	12	Solution, electro-silverplating	268	Turkey, Americans in	144, 163	
Inventions, extraordinary	125	Magneto, capillary	125	Paper, various uses of	341	Sounder, telegraph	5	Turkey, partition of	3	
Inventions, engineering	125	Magneto, capillary	125	Paraffin, odd uses of	19	Spanish language, the	196	Turtle, taking, mode of	299	
Inventions, engineering, recent	311, 342, 377	Main joints, street	188	Paraffin, exhibition of	24	Specie payments, resumption of	122	Twins, the St. Benoit	224	
Inventions in America	111	Manometer, electric	74	Paraffin, exhibition of	24	Spectroscope, lens for	242	Type, how to measure	53	
Inventions, marvelous	181	Manufactures	278	Paraffin, exhibition of	24	Spiders, telescop.	151	Type, nickel-facing	56	
Inventions, n-w. II, 42, 68, 85, 101, 133, 151, 169, 185, 196, 211, 233, 244, 261, 284, 307, 329, 341, 354, 370, 393, 407	205	Manufactures, a field for	129	Paraffin, exhibition of	24	Tunneling, accurate	406			
Inventions, new engineering	70	Manufactures, encouragement of	112	Paraffin, formation of	281	Turkey, Americans in	144, 163			
Inventions, new mechanical	6, 26	Manufacturing interests in Ger.	290	Quicklime	288	Turkish bath, the	297			
Inventions, new mechanical	51, 52, 63, 99, 101, 122, 135, 152, 188, 196, 211, 228, 245, 263, 277, 299, 304, 324, 345, 374	Closing	309	U	U					
Inventions, new miscellaneous	100	Engine, horizontal cond. at	4	Railroad, first in U. S.	378	Useful if not new	300			
Invention, a veteran	137	Exhibition of 1878	4	Railroad, mountain, another	378	V	V			
Inventors, a chance for	111	Exhibition of Animal Fun	1	Railroad, rails, durability of	377	Vacuum, perfect	282			
Inventors, a bolt for	574	Fund, Mexico, and San Ma-	1	Railroad, tramway, experiments	378	Value of a waste product	134			
Inventors, promising field for	137	rina	1	Rails, old, utilizing	378	Value of observation in invention	160			
Inventors, simultaneous	355	Gang plow trials	191	Railways, car window	168	Value, lever and cam	19			
Inventors, where they live	267	Austrian facade	180	Railways, notes	178	Valve, self-adjusting	14			
Inventors' difficulties in England	267	Japanese facade	119	Railways, steam, improved	178	Steamboat, new	282			
Inventors wanted in England	267	Japanese building	97	Rainfall, decrease of New York	86	Valves and hydrants, Chapman's	299			
Ironclad, Japanese built	5	Main building	274	Rainfall, in N. Y. city, steam	86	Steamboat, river, raft decked	297			
Iron and mild steel	205	Motor, hydraulic	165	Rainbow, decrease of	101	Steamship, new	167			
Iron and steel, preservation of	205	Motor report	127	Reaper, a runaway	180	Steamship, new	240			
Iron direct	205	Motor, the	178	Reamer, to temper	101	Varnish, amber	35			
Iron fuels, preparation of	16	Mosquito, a tuff-catcher	375	Reformers, theoretical	106	Vassar, Matthew, a second	242			
Iron industry, our	16	Microphone, Edison on the	20	Regions, undeveloped	262	Vault, cash, interest	253			
Iron making, progress of	16	Microphone, how to make	9	Regulator, true-time	126	Velocipede, bicycle	19			
Iron making, progress of, new form	16	Microphone, invention of the	20	Rein holder, new	134	Velocipede, best time	299			
Iron, boiler, testing of	205	Microphone, stethoscope, new	293	Resorcine for cotton dyeing	144	Velocipede, new steam	282			
Iron, how to copper	205	Microscope, American	57	Resins, images on	107	Velocipede, Chapman's	299			
Iron, malleable, to make	205	Microscopic lenses	120	Revolvers used by U. S. A.	128	Velocipede, new	282			
Iron, new ways to use wanted	205	Microscope	170	Rheostat, Edison's new carbon	298	Velocipede, new	282			
Iron, preservation of	205	Micrometers	106	Revolvers, new	298	Velocipede, best time	299			
Iron scraps, cleaning	205	Milk of the cow tree	94	Rheumatism, treatment of	198	Velocipede, best, extraordinary	299			
Iron, soft vs. hard	205	Milk test, a	20	Rheumatism, treatment of	198	Vessel, torpedo, Destroyer	296			
Is our globe hollow?	205	Milk, preservation of	297	Rifles, breech-loading, new	290	Vessel, determining position of	200			
J	205	Milk, purity of	20	Rifle shooting, improved	290	Vessels, unsinkable steam	218			
Jaborandi in Bright's disease	149	Milk, testing of	297	Rifles, breech-loading, improved	290	Vessels, ventilation of	332			
Jacane, the common	205	Mining operations	20	Rights of investigation, the	128	Vine, air from wine and cider	267			
Jacket, a covering, new	205	Mining operations, Western	20	Rings of fire and volcanic peaks	128	Vine, air from	370			
Jackets, leather	205	Mining outlook	145	Roaches, to destroy	101	Vine, parallel, new	20			
Journals boxes for smokers	205	Mining, California	292	Roads in Baden	101	Vision, Helmholtz's theory of	101			
Journalism, crooked	205	Model, Sculptor's, improved	212	Roads, steam on common	104	Vital resistance	195			
Juice, milkweed	205	Milk, consumption of	108	Rubber bands	107	Volcano, active, in the moon	285			
Jupiter, black spot on	205	Moon, active volcano in the	19	Rubber gun, to melt	267	Volcano in Peru, new	39			
Jute, America	205	Moon, the, is inhabited?	19	Rubber, new sources of	101	Voltameter, detonating, a	214			
K	205	Mosquito, a tuff-catcher	375	Moon, the, faint	101	W	W			
Kalamelt	194	Mosquitoes, new	101	Mosquitoes, bite from the	101	Wages and the cost of living	224			
Kernels, peach seed	194	Mosquitoes, new metal	115	Mosquitoes, bite from the	101	Wages in England	216			
Key, screw-headed, Oliver's	121	Moths, one way to kill	115	Mosquitoes, bite from the	101	Waiting for something to turn up	160			
King Tody	121	Motor, the Hoerner	205	Moths, bite from the	101	Walnut stain, recipe for	265			
Knives, plating	121, 128	Mounds, gelatin	204	Moths, bite from the	101	Warts, new use for	27			
L	205	Mouth, the, health of	101	Mousetraps, a	204	Wax, new	398			
Labor and trade in Italy	205	Mousetraps, a	204	Mousetraps, a	204	Wax, new, remarkable	226			
Labor and wages in Bordeaux	130	Mousetraps, a	204	Mousetraps, a	204	Watch, manufacture of	294			
Labor in Belgium	216	Mousetraps, a	204	Mousetraps, a	204	Watch, hands, to annual	294			
Labor in Chicago	205	Mousetraps, a	204	Mousetraps, a	204	Water	107			
Labor in Germany	64	Mousetraps, a	204	Mousetraps, a	204	Water, absorption and excretion	260			
Labor in Ireland	106	Mousetraps, a	204	Mousetraps, a	204	Water cistern	284			
Labor in Massachusetts	205	Mousetraps, a	204	Mousetraps, a	204	Water, cistern, to purify	294			
Labor, skilled, in N. Y. city	205	Mousetraps, a	204	Mousetraps, a	204	Water, delicate test for	290			
Lac	218	Mousetraps, a	204	Mousetraps, a	204	Water, drinking, filtration of	24			
Lace work, iridescent	184	Mousetraps, a	204	Mousetraps, a	204	Water, flow of, through pipes	245			
Lagedo, the lace-tree	184	Mousetraps, a	204	Mousetraps, a	204	Water, hot, heating by	227			
Lamp, a stick	205	Mousetraps, a	204	Mousetraps, a	204	Water, saline, evaporation of	183			
Lamp, extinguisher, new	205	Mousetraps, a	204	Mousetraps, a	204	Water, sea, filtration of	213			
Lamp, electric, Heynert's	205	Mousetraps, a	204	Mousetraps, a	204	Water, walking under	103			
Lamp, time-indicating	205	Mousetraps, a	204	Mousetraps, a	204	Water power of Pennsylvania	5			
Lap ring, Wood's	119	Mousetraps, a	204	Mousetraps, a	204	Water, height and depth of	290			
Lard oil to scent	205	Mousetraps, a	204	Mousetraps, a	204	Water, height, clip...	280			
Lath, how to test	213	Mousetraps, a	204	Mousetraps, a	204	Wax, modeling	297			
Lath, new, screw-cutting	205	Mousetraps, a	204	Mousetraps, a	204	Wax tree, Jap., in California	242			
Lath, new, suitable for	205	Mousetraps, a	204	Mousetraps, a	204	Wheat, India as a producer of	106			
Lead salts and ammonia	205	Mousetraps, a	204	Mousetraps, a	204	Wheelbarrow, a French	222			
Learn something	17	Mousetraps, a	204	Mousetraps, a	204	Whistling	123			
Leather, from sheep's stomachs	205	Mousetraps, a	204	Mousetraps, a	204	Whithead torpedo, the, in battle	212			
Leaves and their functions	18	Mousetraps, a	204	Mousetraps, a	204	Whithead, lost for	290			
Leaves, autumn	18	Mousetraps, a	204	Mousetraps, a	204	Whithead, manufacture of	251			
Leavening, baking system	205	Mousetraps, a	204	Mousetraps, a	204	Whithead, to test	144			
Numeration, system of	12	Mousetraps, a	204	Mousetraps, a	204	Whitewash	35			
Left-handedness	205	Mousetraps, a	204	Mousetraps, a	204	Wine, air from	344			
London verbena, new use for	19	Mousetraps, a	204	Mousetraps, a	204	Wine, artesian, in Eng.	214			
London, the, effect of	205	Mousetraps, a	204	Mousetraps, a	204	Well, artesian, in Spain	291			
Lichens, London	213	Mousetraps, a	204	Mousetraps, a	204	Well, driven...	408			
Life preservers	205	Mousetraps, a	204	Mousetraps, a	204	Well, height of	21			
Life without air	205	Mousetraps, a	204	Mousetraps, a	204	Well, height, time of	3			
Life, art of prolonging	605	Mousetraps, a	204	Mousetraps, a	204	What makes success	2			
Life, minute forms of	205	Mousetraps, a	204	Mousetraps, a	204	What most women need	186			
Life, real, in schools	113	Mousetraps, a	204	Mousetraps, a	204	What, heat farm, California	9			
Light, velocity of	198	Mousetraps, a	204	Mousetraps, a	204	Wheat, India as a producer of	106			
Lightning, electric	205	Mousetraps, a	204	Mousetraps, a	204	Whitewash	123			
Lightning, ball, artificial	205	Mousetraps								

